



POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
AND REVOCATION OF PRIOR POWERS

Honorable Commissioner of
Patents and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

As assignee of record of the entire right, title, and interest, the undersigned corporation hereby revokes all previous powers of attorney and appoints the attorneys and/or agents of Staas & Halsey LLP, under USPTO customer No. 21,171, to prosecute and transact all business in the U.S. Patent and Trademark Office for the following listed patent applications:

DOCKET NO.	SERIAL NO.	FILING DATE	INVENTOR(S)	TITLE
1761.1001	09/944,589	September 4, 2001	Takayuki NORIMATSU	WHEEL BEARING ASSEMBLY
1761.1002	09/993,715	November 27, 2001	Yoshihisa KUDO, et al.	WORKSHOP FACILITY DESIGN AND OPERATION SUPPORT SYSTEM ENABLING VERIFICATION OF THE ENTIRE WORKSHOP TO BE PERFORMED EASILY
1761.1003	10/300,902	November 21, 2002	Kazuyoshi HARIMOTO, et al.	CONNECTING ROD AND BEARING-EQUIPPED CONNECTING ROD
1761.1004	09/880,931	June 15, 2001	Yasuhiro GOTOU, et al.	MACHINE COMPONENT MONITORING, DIAGNOSING AND SELLING SYSTEM
1761.1005	09/995,678	November 29, 2001	Takashi HOSOYA, et al.	CONSTANT VELOCITY UNIVERSAL JOINT
1761.1006	10/387,563	March 14, 2003	Yoshio FUJIKAWA, et al.	BEARING ASSEMBLY EQUIPPED WITH ROTATION SENSOR CAPABLE OF DETECTING HOME POSITION
1761.1007	10/377,755	March 4, 2003	Kenichi IWAMOTO, et al.	BEARING ASSEMBLY WITH ELECTRIC POWER GENERATOR
1761.1008	10/382,505	March 7, 2003	Masatoshi MIZUTANI, et al.	ROTATION DETECTING DEVICE AND WHEEL SUPPORT BEARING ASSEMBLY USING THE SAME

DOCKET NO.	SERIAL NO.	FILING DATE	INVENTOR(S)	TITLE
1761.1009	10/299,836	November 20, 2002	Katsufumi ABE	ROCKER ARM
1761.1010	10/059,249	January 31, 2002	Masatoshi NIINA	SHELL TYPE ROLLER BEARING ASSEMBLY
1761.1011	10/098,369	March 18, 2002	Yasuaki TAKAHASHI, et al.	CAGED ROLLER ASSEMBLY AND REDUCTION GEAR UNIT USING THE SAME
1761.1012	10/634,762	August 3, 2003	Masahiko KATAOKA, et al.	ROCKER ARM
1761.1013	10/382,656	March 7, 2003	Toru TAKAHASHI, et al.	ROTATION DETECTING DEVICE AND ANTI-SKID BRAKING SYSTEM USING THE SAME
1761.1014	10/377,757	March 4, 2003	Hidehiko NISHIJIMA, et al.	FOIL BEARING AND SPINDLE DEVICE USING THE SAME
1761.1015	10/090,752	March 6, 2002	Hisashi OHTSUKI, et al.	WHEEL SUPPORT BEARING ASSEMBLY
1761.1016	09/972,949	October 10, 2001	Ryutaro OKA	BEARING ASSEMBLY WITH TEMPERATURE SENSOR
1761.1017	10/321,553	December 18, 2002	Takashi KOIKE, et al.	SENSOR-EQUIPPED BEARING ASSEMBLY AND MOTOR USING THE SAME
1761.1018	10/251,800	September 23, 2002	Tatsuo NAKAJIMA	MAGNETIC ENCODER AND WHEEL BEARING ASSEMBLY USING THE SAME
1761.1019	10/091,579	March 7, 2002	Koichi OKADA, et al.	WHEEL SUPPORT BEARING ASSEMBLY
1761.1020	10/013,552	December 13, 2001	Takashi NOZAKI, et al.	WHEEL SUPPORT ASSEMBLY FOR TRANSMITTING A DRIVE FORCE FROM AN ELECTRIC MOTOR TO A WHEEL
1761.1021	09/709,390	November 13, 2000	Hisashi OHTSUKI, et al.	WHEEL BEARING AND SEALING DEVICE THEREFOR
1761.1021D	10/607,198	June 27, 2003	Hisashi OHTSUKI, et al.	WHEEL BEARING AND SEALING DEVICE THEREFOR
1761.1022	10/185,015	July 1, 2002	Kanji NAKAMURA, et al.	GRINDING SLUDGE COMPACTING MACHINE
1761.1023	10/244,472	September 17, 2002	Takayuki NORIMATSU	MAGNETIC ENCODER AND WHEEL BEARING ASSEMBLY USING THE SAME
1761.1024	09/989,458	November 21, 2001	Isamu YOSHIDA, et al.	POWERED STEERING DEVICE AND BALL SCREW MECHANISM THEREFOR

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1761.1025	09/835,390	April 17, 2001	Shoji ITOMI	ROTATIONAL ANGLE SENSOR ASSEMBLY
1761.1026	10/621,404	July 18, 2003	Sadaji KATOGL, et al.	WHEEL SUPPORT BEARING ASSEMBLY
1761.1027	10/033,910	January 3, 2002	Michio IIHARA, et al.	METHOD OF MANUFACTURING OUTER RACES FOR TRIPOD-TYPE CONSTANT VELOCITY UNIVERSAL JOINTS
1761.1028	10/317,114	December 12, 2002	Koichi OKADA	VEHICLE MOUNTED BEARING ASSEMBLY
1761.1029	09/838,340	April 20, 2001	Kanji NAKAMURA, et al.	RECYCLE OF GRINDING SLUDGE
1761.1031	09/638,019	August 15, 2000	Hisashi OHTSUKI, et al.	SEALING DEVICE FOR A BEARING
1761.1031D	10/254,579	September 26, 2002	Hisashi OHTSUKI, et al.	SEALING DEVICE FOR A BEARING
1761.1048	10/649,675	August 28, 2003	Katsafumi ABE	ROCKER ARM
1761.1049	10/654,965	September 5, 2003	Hisashi OHTSUKI	WHEEL SUPPORT BEARING ASSEMBLY

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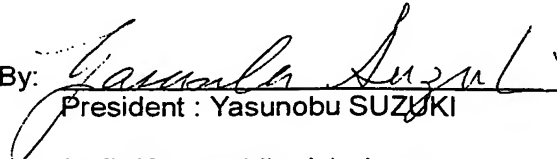
USPTO Customer No. 21171

ASSIGNEE CERTIFICATION

The undersigned assignee further states that the registered attorneys and/or agents, identified in the new power of attorney above, are empowered and authorized to sign the statement(s) and certification(s) under 37 C.F.R. §3.73(b) on behalf of the assignee. Attached to this power is/are "CERTIFICATE(S) UNDER 37 C.F.R. §3.73(b)".

NTN CORPORATION

Dated November 7, 2003

By: 
President : Yasunobu SUZUKI

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Nishi-ku, Osaka-shi, Osaka 550-0003
JAPAN



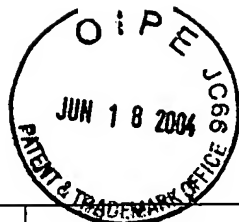
STATEMENT AND CERTIFICATION UNDER 37 C.F.R. §3.73(b)

Honorable Commissioner of
Patents and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This statement hereby certifies that the below-listed patent applications are owned and continue to be owned by the Assignee, NTN CORPORATION, by way of Inventor Assignments identified below:

DOCKET No.	SERIAL NO.	FILING DATE	INVENTOR(S)	TITLE	ASSIGNMENT RECORDATION DATE	REEL/FRAME
1761.1001	09/944,589	September 4, 2001	Takayuki NORIMATSU	WHEEL BEARING ASSEMBLY	September 4, 2001	012151/0427
1761.1002	09/993,715	November 27, 2001	Yoshihisa KUDO, et al.	WORKSHOP FACILITY DESIGN AND OPERATION SUPPORT SYSTEM ENABLING VERIFICATION OF THE ENTIRE WORKSHOP TO BE PERFORMED EASILY	November 27, 2001	012327/0304
1761.1003	10/300,902	November 21, 2002	Kazuyoshi HARIMOTO, et al.	CONNECTING ROD AND BEARING-EQUIPPED CONNECTING ROD	November 21, 2002	013515/0851
1761.1004	09/880,931	June 15, 2001	Yasuhiro GOTO, et al.	MACHINE COMPONENT MONITORING, DIAGNOSING AND SELLING SYSTEM	June 15, 2001	011919/0387
1761.1005	09/995,678	November 29, 2001	Takashi HOSOYA, et al.	CONSTANT VELOCITY UNIVERSAL JOINT	November 29, 2001	012329/0927
1761.1006	10/387,563	March 14, 2003	Yoshio FUJIKAWA, et al.	BEARING ASSEMBLY EQUIPPED WITH ROTATION SENSOR CAPABLE OF DETECTING HOME POSITION	March 14, 2003	013867/0861
1761.1007	10/377,755	March 4, 2003	Kenichi IWAMOTO, et al.	BEARING ASSEMBLY WITH ELECTRIC POWER GENERATOR	March 4, 2003	013837/0239
1761.1008	10/382,505	March 7, 2003	Masatoshi MIZUTANI, et al.	ROTATION DETECTING DEVICE AND WHEEL SUPPORT BEARING ASSEMBLY USING THE SAME	N/A	N/A
1761.1009	10/299,836	November 20, 2002	Katsufumi ABE	ROCKER ARM	November 20, 2002	013511/0973
1761.1010	10/059,249	January 31, 2002	Masatoshi NIINA	SHELL TYPE ROLLER BEARING ASSEMBLY	January 31, 2002	012555/0324



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1761.1012	10/634,762	August 3, 2003	Masahiko KATAOKA, et al.	ROCKER ARM	N/A	N/A
1761.1013	10/382,656	March 7, 2003	Toru TAKAHASHI, et al.	ROTATION DETECTING DEVICE AND ANTI-SKID BRAKING SYSTEM USING THE SAME	March 7, 2003	013864/0240
1761.1014	10/377,757	March 4, 2003	Hidehiko NISHIJIMA, et al.	FOIL BEARING AND SPINDLE DEVICE USING THE SAME	N/A	N/A
1761.1015	10/090,752	March 6, 2002	Hisashi OHTSUKI, et al.	WHEEL SUPPORT BEARING ASSEMBLY	March 6, 2002	012672/0938
1761.1016	09/972,949	October 10, 2001	Ryutaro OKA	BEARING ASSEMBLY WITH TEMPERATURE SENSOR	October 10, 2001	012249/0530
1761.1017	10/321,553	December 18, 2002	Takashi KOIKE, et al.	SENSOR-EQUIPPED BEARING ASSEMBLY AND MOTOR USING THE SAME	December 18, 2002	013623/0219
1761.1018	10/251,800	September 23, 2002	Tatsuo NAKAJIMA	MAGNETIC ENCODER AND WHEEL BEARING ASSEMBLY USING THE SAME	September 23, 2002	013321/0628
1761.1019	10/091,579	March 7, 2002	Koichi OKADA, et al.	WHEEL SUPPORT BEARING ASSEMBLY	October 21, 2002	013421/0618
1761.1020	10/013,552	December 13, 2001	Takashi NOZAKI, et al.	WHEEL SUPPORT ASSEMBLY FOR TRANSMITTING A DRIVE FORCE FROM AN ELECTRIC MOTOR TO A WHEEL	March 22, 2002	012712/0321
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1761.1021 D	10/607,198	June 27, 2003	Hisashi OHTSUKI, et al.	WHEEL BEARING AND SEALING DEVICE THEREFOR	N/A	N/A
1761.1022	10/185,015	July 1, 2002	Kanji NAKAMURA, et al.	GRINDING SLUDGE COMPACTING MACHINE	July 1, 2002	013070/0994
1761.1023	10/244,472	September 17, 2002	Takayuki NORIMATSU	MAGNETIC ENCODER AND WHEEL BEARING ASSEMBLY USING THE SAME	September 17, 2002	013309/0541
1761.1024	09/989,458	November 21, 2001	Isamu YOSHIDA, et al.	POWERED STEERING DEVICE AND BALL SCREW MECHANISM THEREFOR	November 21, 2001	012319/0071
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1761.1026	10/621,404	July 18, 2003	Sadaji KATOGLI, et al.	WHEEL SUPPORT BEARING ASSEMBLY	N/A	N/A

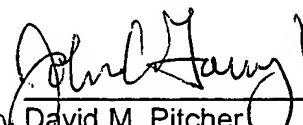
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1761.1029	09/838,340	April 20, 2001	Kanji NAKAMURA, et al.	RECYCLE OF GRINDING SLUDGE	April 20, 2001	011734/0370
1761.1031	09/638,019	August 15, 2000	Hisashi OHTSUKI, et al.	SEALING DEVICE FOR A BEARING	August 14, 2000	011042/0507
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1761.1048	10/649,675	August 28, 2003	Katsufumi ABE	ROCKER ARM		
1761.1049	10/654,965	September 5, 2003	Hisashi OHTSUKI	WHEEL SUPPORT BEARING ASSEMBLY		

If there are any fees associated with the filing of this Statement and Certification, please charge and/or credit the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: November 19, 2003

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